



Dell™ Studio™ 1569 Comprehensive Specifications

This document provides information that you may need when setting up, updating drivers for, and upgrading your computer.

 **NOTE:** Offerings may vary by region. For more information regarding the configuration of your computer, click **Start**  **Help and Support** and select the option to view information about your computer.

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Regulatory Model: P06F series
Regulatory Type: P06F001

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Processor

Processor types	Intel® Core™ i5 Intel Core i3
L1 cache	256 KB (Intel - 64 KB per core)
L2 cache	1 MB
L3 cache	up to 4 MB of shared data
External bus frequency	1066 MHz

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Computer Information

System chipset	Intel HM57
Data bus width	64 bits
DRAM bus width	dual-channel (2) 64-bit buses
Processor address bus width	36 bits
Flash EPROM	SPI 2 MB
Graphics bus	PCI-E

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7-in-1 Media Card Reader

Card reader controller	Ricoh R5C833
Card reader connector	7-in-1 combo card connector
Flash cards supported	Secure Digital (SD) SD High-Density (SDHD) SD High-Capacity (SDHC) MultiMediaCard (MMC/MMC+) xD-Picture Card Memory Stick Memory Stick Pro

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Memory

Memory connectors	two user-accessible SODIMM connectors
Memory capacities	2 GB and 4 GB
Memory type	DDR3 1066/1333 MHz
Memory configurations	2 GB, 3 GB, 4 GB, 5 GB, 6 GB, 8 GB



NOTE: For instructions on upgrading memory, see the *Service Manual* at support.dell.com/manuals.

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Connectors

Audio	one microphone-in connector, one stereo headphone/speaker connector
Mini-Card	one Type IIIA full slot, one half slot
HDMI	one 19-pin connector
Network adapter	one RJ45 connector
USB	two 4-pin USB 2.0-compliant connectors
Mini DisplayPort	one 20-pin connector
ExpressCard	one 34 mm slot
Media card reader	one 7-in-1 slot
eSATA	one 7-pin/4-pin eSATA/USB combo connector

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Communications

Modem (optional)	External V.92 56K USB Modem
Network adapter	10/100/1000 Ethernet LAN on system board
Wireless	WLAN, WWAN, Bluetooth® wireless technology, and Intel WiDi

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Video

Discrete video type	integrated on system board
Discrete video controller and memory	ATI Mobility Radeon™ HD 4570, 512 MB DDR3 ATI Mobility Radeon™ HD 5470, 1 GB DDR3
UMA video type	integrated on system board
UMA video controller	Intel® Graphics Media Accelerator HD
UMA video memory	up to 1752 GB of shared memory
LCD interface	Low-voltage differential signaling (LVDS)
TV support	HDMI 1.3

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Audio

Audio type	Stereo with SRS enhanced audio
Audio controller	RealTek
Stereo conversion	24-bit (analog-to-digital and digital-to-analog)
Internal interface	Intel High Definition Audio
Speakers	2 x 2 watt speakers
Volume controls	keyboard function keys

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Camera

Camera resolution	2.0 megapixel
Video resolution	160 x 120 ~1600 x 1200
Diagonal viewing angle	65.5°

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Display

Type	15.6-inch HD WLED backlight with TrueLife
Height	193.54 mm (7.62 inches)
Width	344.23 mm (13.55 inches)
Diagonal	396.42 mm (15.6 inches)
Luminance	220 nits
Maximum resolution	1366 x 768
Refresh rate	60 Hz
Operating angle	0° (closed) to 140°
Horizontal viewing angle	45/45

Vertical viewing angle	15/30 (H/L)
Pixel pitch	0.252 x 0.252 mm
Controls	brightness can be controlled through keyboard shortcuts (see the <i>Dell Technology Guide</i> for more information)

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Keyboard (Backlit optional)

Number of keys	86 (U.S. and Canada); 87 (Europe); 90 (Japan); 87 (Brazil)
Layout	QWERTY/AZERTY/Kanji

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Touch Pad

X/Y position resolution (graphics table mode)	240 cpi
Width	100.0 mm (3.94 inches) sensor-active area
Height	56.0 mm (2.2 inches) rectangle

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Battery

9-cell “smart” lithium ion	
Depth	53.2 mm (2.09 inches)
Height	41.7 mm (1.64 inches)
Width	264.6 mm (10.41 inches)
Weight	0.52 kg (1.15 lb)
Voltage	11.1 VDC
Charge time (approximate)	4 hours (when the computer is turned off)
Operating time (approximate)	varies depending on operating conditions
Coin-cell battery	CR-2032

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AC Adapter

Input voltage	100–240 VAC
Input current	1.5 A
Input frequency	50–60 Hz
Output power	90 W

	65 W (Auto-Air adapter)
Rated output current	4.62 A (90 W) 3.34 A (65 W)
Rated output voltage	19.5 VDC
Operating temperature	0° to 35°C (32° to 95°F)
Storage temperature	−40° to 65°C (−40° to 149°F)

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Physical

Height	18 mm to 25.3 mm (0.71 inches to 0.99 inches)
Width	382.0 mm (15.04 inches)
Depth	252.0 mm (9.92 inches)
Weight (with optical drive and battery)	2.51 kg (5.52 lb)

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Computer Environment

Temperature range	
Operating	0° to 35°C (32° to 95°F)
Storage	−40° to 65°C (−40° to 149°F)
Relative humidity (maximum)	
Operating	10% to 90% (non-condensing)
Storage	5% to 95% (non-condensing)
Maximum vibration (using a random vibration spectrum that simulates user environment)	
Operating	0.66 GRMS
Non-Operating	1.30 GRMS
Maximum shock (for operating, measured with Dell Diagnostics running on the hard drive and a 2-ms half-sine pulse; for non-operating, measured with hard drive in head-parked position and a 2-ms half-sine pulse)	
Operating	110 G
Non-Operating	160 G
Altitude (maximum)	
Operating	−15.2 to 3048 m (−50 to 10,000 ft)
Storage	−15.2 to 10,668 m (−50 to 35,000 ft)
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985

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